S/S "Empire Rani."

Bom rept No. 6745.

ex "Marienfels"

from Bombay

Gen Arrangt of Ship

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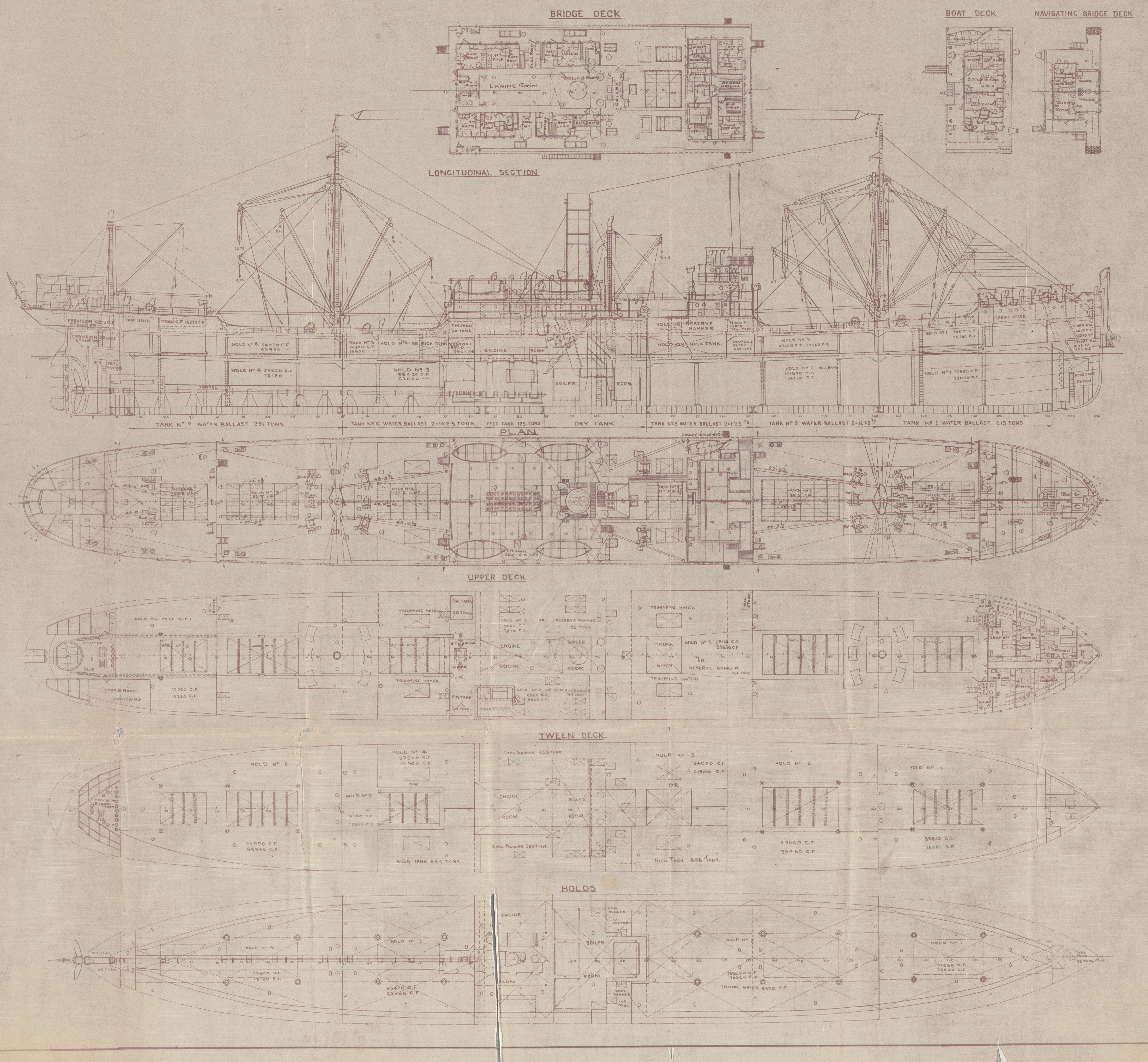
BRIDGE DECK
ENGINE ROOM
BOILER ROOM
BOAT DECK
OFFICERS' MESS ROOM
CAPTAIN
NAVIGATING BRIDGE DECK
WHEEL HOUSE
CHART ROOM
LONGITUDINAL SECTION
PROVISION STORE
HOLD Nº 6 54090 C.F. 48950
HOLD Nº 5
HOLD Nº 4 29800 C.F. 75180
HOLD Nº 3 65420 C.F. 62000
ENGINE ROOM
BOILER ROOM
HOLD OR RESERVE BUNKER
HOLD OR HIGH TANK
HOLD Nº 2 INCL. HATCH 141070 C.F. 134130 C.F.
HOLD Nº 1 77695 C.F. 73020 C.F.
CREW'S SPACE
AFT PEAK 55 TONS
TUNNEL
TANK Nº 7 WATER BALLAST 291 TONS.
TANK Nº 6 WATER BALLAST 2×142.5 TONS.
FEED TANK 125 TONS
DRY TANK
TANK Nº 3 WATER BALLAST 2×112.5 Ts.
TANK Nº 2 WATER BALLAST 2×127.5 Ts.
TANK Nº 1 WATER BALLAST 213 TONS
PLAN
DINGHY 16'-0"×5'-6"
UPPER DECK
HOLD ON POOP DECK
STORE ROOM PROVISIONS
17060 C.F. 15220 C.F.
TRIMMING HATCH
ENGINE ROOM
BOILER ROOM
TRUNK HATCH
RESERVE BUNKER
SEAMEN
TWEEN DECK.
HOLD Nº 6
HOLD Nº 5
HOLD Nº 4 22500 C.F. 19940 C.F.
COAL BUNKER 259 TONS
ENGINE ROOM
BOILER ROOM
HOLD Nº 3 24070 C.F. 21300 C.F.
HOLD Nº 2
HOLD Nº 1
54090 C.F. 48950 C.F.
HIGH TANK 644 TONS
COAL BUNKER 288 TONS
HIGH TANK 688 TONS
43600 C.F. 39460 C.F.
39810 C.F. 36280 C.F.
HOLDS
HOLD Nº 4
HOLD Nº 3
ENGINE
BOILER
ROOM
COAL BUNKER
HOLD Nº 2
HOLD Nº 1
TRUNK HATCH 6070 C.F.

S.S. "EMPIRE RANI."

EX

S. S. "MARIENFELS."

LENGTH B.P.	142,351 m = 467'-0½"
BREADTH (EXTREME)	17,754 " = 58'-3"
HEIGHT TO UPPER DECK	10,592 " = 34'-9"

SCALE 1:200.

CAPACITY OF HOLDS.

HOLD	CAPACITY IN CU. FT. GROSS GRAIN	NET BALES
HOLD Nº 1	77695	73020
" Nº 2	141070	134430
" Nº 3	65420	62000.
" Nº 4	79800	75180
TOTAL UNDER HOLDS	363985	344330
TWEEN DECKS.		
TWEEN DECK NO 1	39810	36280
" " 2	43600	39460
" " 3	24070	21300
" " 4	22500	19940
" " 5	16300	13900
" " 6	54090	48950
TOTAL TWEEN DECKS	200370	179830
" UNDER HOLDS	363985	344330
GRAND TOTAL	564355	524160
HOLD UNDER POOP DECK	17060	15230
TOTAL	581415	539390
BRIDGE SPACE		
SPACE Nº 1.	28100	23830
TOTAL INCL. SPACE UNDER POOP DECK	609515	563220
BRIDGE SPACE Nº 2	15720	13745
TOTAL IN HOLDS	625235	576965
PROVISON STORE POOP	12180	6213
" " TWEEN DECK.	4380	3210
	2120	1261
STORE ROOM FORD TWEEN DECK	3955	3070
" " " BELOW TW. DECK.	1695	1165
TOTAL INCL. STORE ROOMS	24330	14919
GRAND TOTAL	649565	591884.

WATER BALLAST	TONNES	TONS.
TANK Nº 1.	216	213
" " 2	259	255
" 3	229	225
" 6	290	285
" 7	296	291
TOTAL WATER BALLAST IN D. BOTTOM	1290	1269
TANK Nº 5. ENGINE ROOM TANK	127	125
" " 4 BOILER " "	—	—
TOTAL W.BALLAST IN D BOTTOM	1417	1394
FOREPEAK TANK	90	88
AFTERPEAK TANK	56	55
HEIGHT TANK FRAME 112-131	699	688
" " " 62-82	654	644
TOTAL	1499	1475
GRAND TOTAL	2916	2869
FRESH WATER TANKS	41	40

CAPACITY OF BUNKERS.

BUNKERS.	CU. FT.	TONNES	TONS
BUNKERS P.&S. FRAMES 104-112	9215	213	210
" TW. DKS. P.&S. FR. 86-112	10990	254	250
" " " STD. SIDE FR. 82-112	12680	292	288
TOTAL	32885	759	748
RESERVE BUNKERS			
UPPER DK. P.&S. FRAME 107-136	25740	593	584
" " P. SIDE " 81-107	8440	195	192
" " S. SIDE " 84/89-107	6320	145	143
TOTAL RESERVE BUNKERS	40470	933	919
GRAND TOTAL	73355	1692	1667

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Outline Mids. Section

s.s "Empire Rani"

ex "Marienfels"

Bom rept No 6745.

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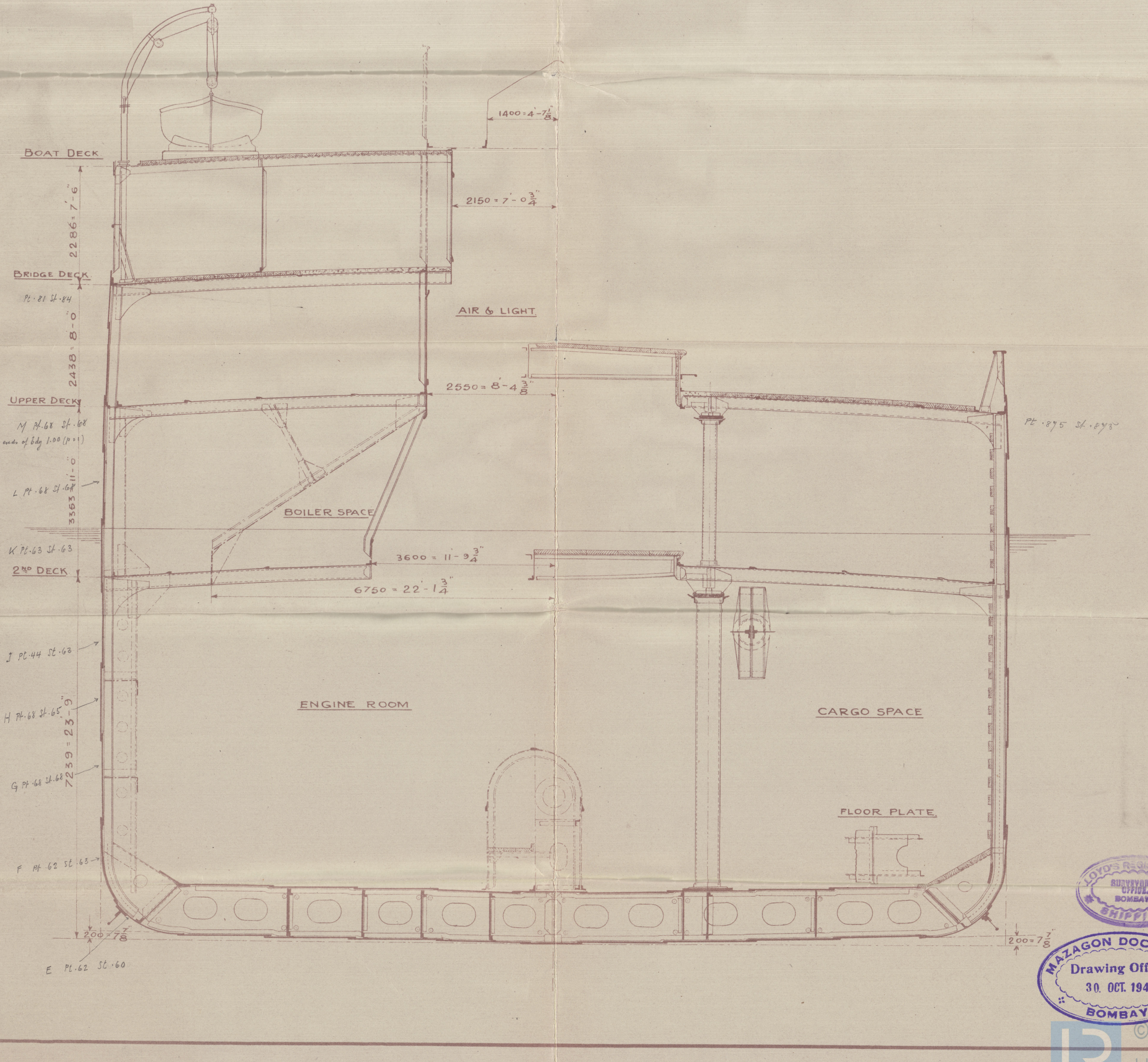
S. S. "EMPIRE RANI" EX. S. S. "MARIENFELS".

MIDSHIP SECTION.

SCALE:- 1-50.

LENGTH B.P. ---------------- 142,351 M = 467'-0½"
EXTREME BREADTH ------------ 17,754 " = 58'-3"
HEIGHT TO UPPER DECK ------- 10,592 " = 34'-9"
HEIGHT TO BRIDGE DECK ------ 13.030 " = 42'-9"



1400 = 4'-7½"
BOAT DECK
2286 = 7'-6"
2150 = 7'-0¾"
BRIDGE DECK
Pt ·81 St ·84
2438 = 8'-0
AIR & LIGHT
UPPER DECK
2550 = 8'-4⅜"
M Pt ·68 St ·68
at ends of bdg 1.00 (p = 1)
Pt ·875 St ·875
3353 = 11'-0
L Pt ·68 St ·68
BOILER SPACE
K Pt ·63 St ·63
2ND DECK
3600 = 11'-9¾"
6750 = 22'-1¾"
J Pt ·44 St ·63
ENGINE ROOM
CARGO SPACE
H Pt ·68 St ·65
7239 = 23'-9"
G Pt ·68 St ·68
FLOOR PLATE
F Pt ·62 St ·63
200 = 7⅞"
200 = 7⅞"
E Pt ·62 St ·60

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F. B. No. 36760.

– S.S. "EMPIRE RANI" – EX. S.S. "MARIENFELS"

LOADING SCALE

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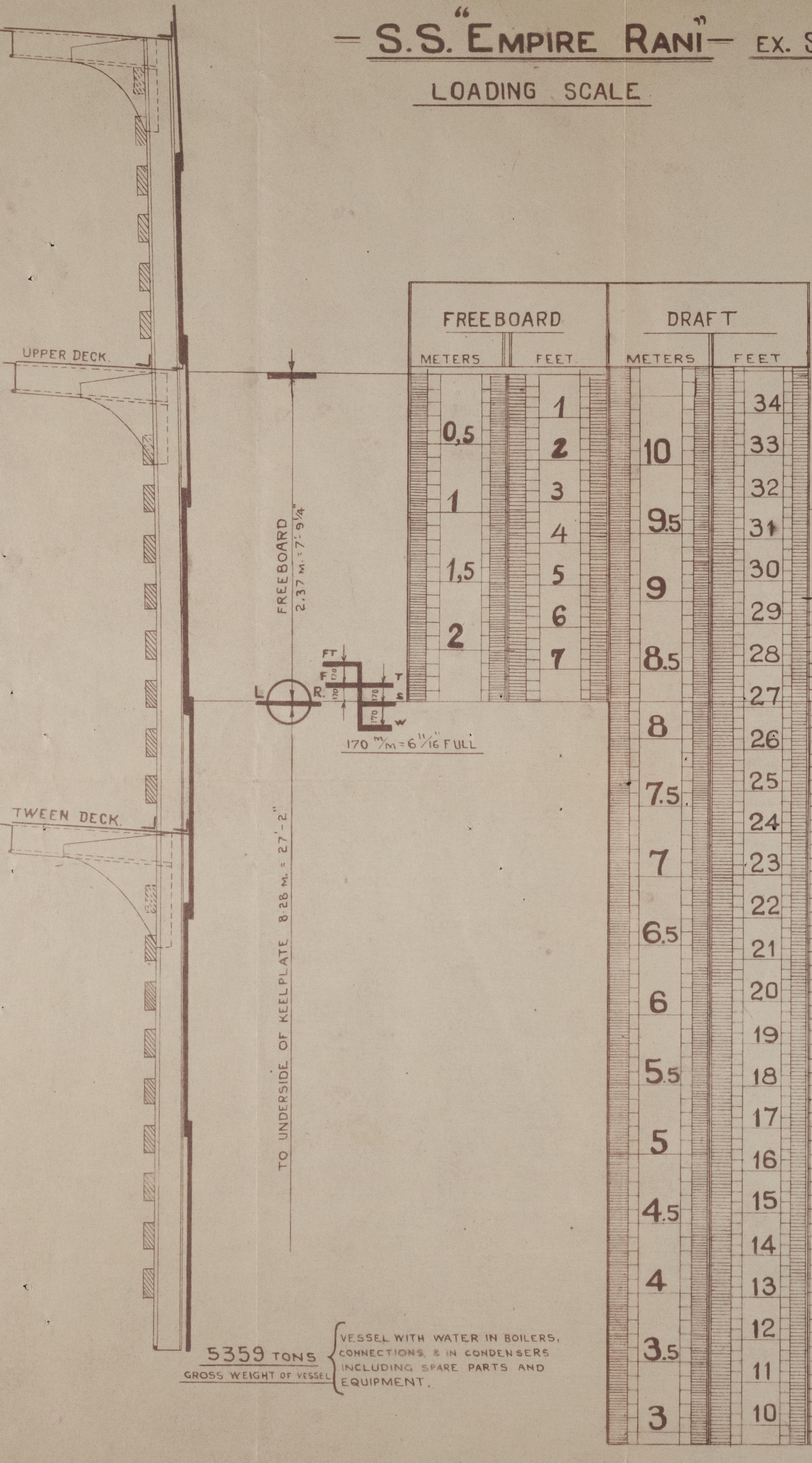

5359 TONS GROSS WEIGHT OF VESSEL { VESSEL WITH WATER IN BOILERS, CONNECTIONS, & IN CONDENSERS INCLUDING SPARE PARTS AND EQUIPMENT.

DEAD WEIGHT IN SALT WATER IN TONS AT 1016 KGS. PER TON	DISPLACEMENT IN SALT WATER IN TONS AT 1016 KGS. PER TON	IMMERSION TONS PER INCH	TRIMMING MOMENTS FOR INCREASE OF DRAFT IN FOOT TONS	DEAD WEIGHT IN SALT WATER IN TONS AT 1000 KGS PER TON	DISPLACEMENT IN SALT WATER IN TONS AT 1000 KGS. PER TON.
11600	16959	54.16	1565	11786	17230
11400	16759	54.07	1558	11582	12026
11200	16559	53.98	1551	11379	16823
11000	16359	53.90	1545	11176	16620
10800	16159	53.82	1539	10973	16417
10600	15959	53.74	1533	10769	16213
10400	15759	53.66	1527	10566	16010
10200	15559	53.58	1521	10363	15807
10000	15359	53.50	1515	10160	15604
9800	15159	53.42	1509	9957	15401
9600	14959	53.34	1503	9754	15198
9400	14759	53.27	1498	9550	14994
9200	14559	53.20	1493	9347	14791
9000	14359	53.13	1488	9144	14588
8800	14159	53.06	1483	8941	14385
8600	13959	52.99	1478	8738	14182
8400	13759	52.92	1473	8534	13978
8200	13559	52.85	1468	8331	13775
8000	13359	52.78	1463	8128	13572
7800	13159	52.72	1458	7925	13369
7600	12959	52.68	1453	7722	13166
7400	12759	52.60	1448	7518	12962
7200	12559	52.54	1444	7315	12759
7000	12359	52.48	1440	7112	12556
6800	12159	52.42	1436	6909	12353
6600	11959	52.36	1432	6706	12150
6400	11759	52.30	1428	6502	11946
6200	11559	52.24	1424	6299	11743
6000	11359	52.18	1420	6096	11540
5800	11159	62.12	1416	5893	11337
5600	10959	52.06	1412	5690	11134
5400	10759	52.00	1409	5486	10930
5200	10559	51.94	1405	5283	10727
5000	10359	51.88	1401	5080	10524
4800	10159	51.83	1397	4877	10321
4600	9959	51.78	1393	4674	10118
4400	9759	51.72	1389	4470	9914
4200	9559	51.66	1386	4267	9711
4000	9359	51.60	1382	4054	9508
3800	9159	51.55	1378	3851	9305
3600	8959	51.49	1374	3658	9102
3400	8759	51.44	1370	3454	8898
3200	8559	51.39	1365	3251	8695
3000	8359	51.34	1363	3048	8492
2800	8159	51.29	1360	2845	8289
2600	7959	51.23	1357	2642	8086
2400	7759	51.17	1354	2438	7882
2200	7559	51.12	1351	2235	7679
2000	7359	51.07	1347	2032	7476
1800	7159	51.02	1343	1829	7273
1600	6959	50.97	1339	1626	7070
1400	6759	50.92	1335	1422	6866
1200	6559	50.87	1331	1219	6663
1000	6359	50.82	1328	1016	6460
800	6159	50.78	1325	813	6257
600	5959	50.70	1322	610	6054
400	5759	50.64	1348	406	5851
200	5559	50.58	1314	203	5647
0	5359	50.52	1310	0	5444

GROSSWEIGHT = 5359 TONS INCLUDING 130 TONS EQUIPMENT

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